



Missouri
Department of
Natural Resources

Union Electric Company (Ameren Missouri)
Power Plant Name: Audrain Generating Station
Electric Generation and Emissions in 2011

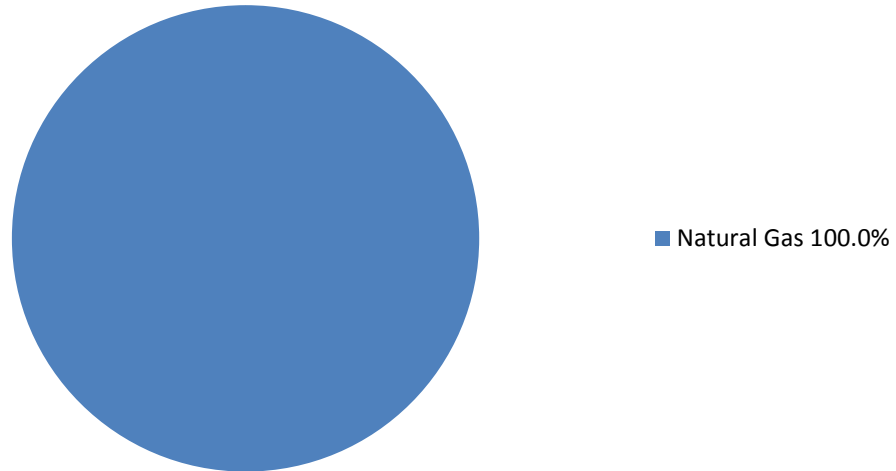
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	1,230,488	100.0%	100.0%	97,758	100.0%	100.0%
Petroleum						
Nuclear						
Other						
Non-renewable total	1,230,488	100.0%	100.0%	97,758	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	1,230,488		100.0%	97,758		100.0%

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	1,198,478



Net Generation by Fuel Type, 2011 for Audrain Generating Station





Power Plant Nameplate information for Audrain Generating Station

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Audrain Generating Station</i>		<i>All Operating Generators</i>			3,257.6
Audrain Generating Station	Audrain	GT1	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT2	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT3	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT4	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT5	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT6	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT7	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2
Audrain Generating Station	Audrain	GT8	Combustion (Gas) Turbine (includes jet engine design)	Operating - in service	407.2



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Emissions from Electricity Generated in 2011: Audrain Generating Station

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Audrain Generating Station	569,788	287,661	5,426	543

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Audrain Generating Station	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Audrain Generating Station power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Audrain Generating Station power plant

Plant	Control Equipment
	No FGP Controls Installed



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Notes:

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>